

One Laptop Per Child Meeting – OLPC

MIT Media Laboratory
Cambridge, Massachusetts
May 20-23, 2008

Brazil

Projeto Um Computador por Aluno – UCA
One Computer per Student Project - UCA

Brazil

Society. Basic Education



- **Brazil.** Organization political-administrative:
 - **Union**
 - **27 States**
 - **5.564 Municipalities**
 - **Population: 187 millions**
- **Teaching systems:** public and particular
- **55,9 millions** of the students in the basic education
- **44,8%** of the students enrolled in municipal schools
- **41,7%** enrolled in the state networks
- Total of **203.9 thousand** schools in the country
- **82,6%** are public schools



Brazil

UCA Project

- Coordinated by Office Staff the Presidency of the Republic operationalized by the Ministry of Education
- UCA Project fits into the Development Plan for Education and incorporates the National Program for Educational Technology
- ProInfo is a project(10 years) that instals computers labs in schools, promote teachers managers, technicians and monitors students training, that will providing universal access for all public schools by 2010
- The initiative of the government to provide educational laptop and Internet access integrated with other projects, that use technology in public schools



Brazil

UCA Project : Development

- **2005**
 - Assimilation of the concept in Brazil:
 - Concept 1:1, low-cost connected laptop, tools for learning
 - Task forces (various ministries)
 - Analysis of alternatives.
 - Resolutions technical and political
 - Digital Inclusion. Quality in education
 - Policy guided by enduring values of society
 - Educational requirements and functional
 - Academic and scientific community subsidies

Brazil

UCA Project : Development

- **2006**
 - Own solutions - recruitment of research centers :
 - Fundação Centro de Referência em Tecnologias Inovadoras – CERTI (Foundation Center for Innovative Technology in Reference)
 - Chain production, management and innovation (R & D) and software
 - Laboratório de Sistemas Integráveis Tecnológicos – LSI / USP (Integrable Systems Technology Laboratory - LSI / University of Sao Paulo – USP)
 - Integrated circuits, hardware, wireless technology, software
 - Centro de Pesquisa Renato Archer – CenPRA (Research Center Renato Archer)
 - Display, hardware, ergonomic
 - Rede Nacional de Pesquisas – RNP (National Network of Research)
 - Evaluation of the concept mesh network and existing resources for the formation of networks from the school

Brazil

UCA Project : Development

- **2007**
 - **Phase I – experiments with laptops: donated by manufacturers**
 - Five schools in the cities of UCA: Sao Paulo, Porto Alegre, Palmas, Piraí-RJ and Brasilia
 - GT-UCA (Educational Working Group of UCA):
 - Preferential monthly meetings in the five schools with experiments
 - The main documents: "Project Basis"; "UCA Pedagogical Principles"; "Formation Brazil: Pilot"
 - **Phase II - Pilot**
 - Mobilization and adhesion of public systems of education
 - Selection from 300 public schools and 5 municipalities total UCA

UCA Project – Phase I - Experiments



CLASSMATE, INTEL

• Palmas-TO

Colégio Estadual Dom Alano Marie Du Noday

Equip.: ClassMate/PC Intel

Quantity: 400

Feature: share in shift different of laptops

• Pirai-RJ

CIEP n°477 Profª Rosa Conceição Guedes

Equip.: ClassMate/PC Intel

Quantity: 400

Feature: concept 1:1

MOBILIS, ENCORE

Brasília-DF

Centro de Ensino Fundamental n° 1 do Planalto

Equip.: Mobilis, Encore

Quantity: 40

Feature: share in 3 different shifts

XO, OLPC

São Paulo

Escola Municipal Ens. Fund. Ernani Silva Bruno

Equip.: XO, OLPC

Quantity: 300 B1-B2 65 B4

Feature: share in 3 different shifts

Porto Alegre

Escola Estadual Luciana de Abreu

Equip.: XO, OLPC

Quantity: 330 B1-B2 65 B4

Feature: concept 1:1

UCA Project: phase I - Experiments



CLASSMATE INTEL

• Palmas-TO

Colégio Estadual Dom Alano Marie Du Noday



• Pirai-RJ

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XO, OLPC

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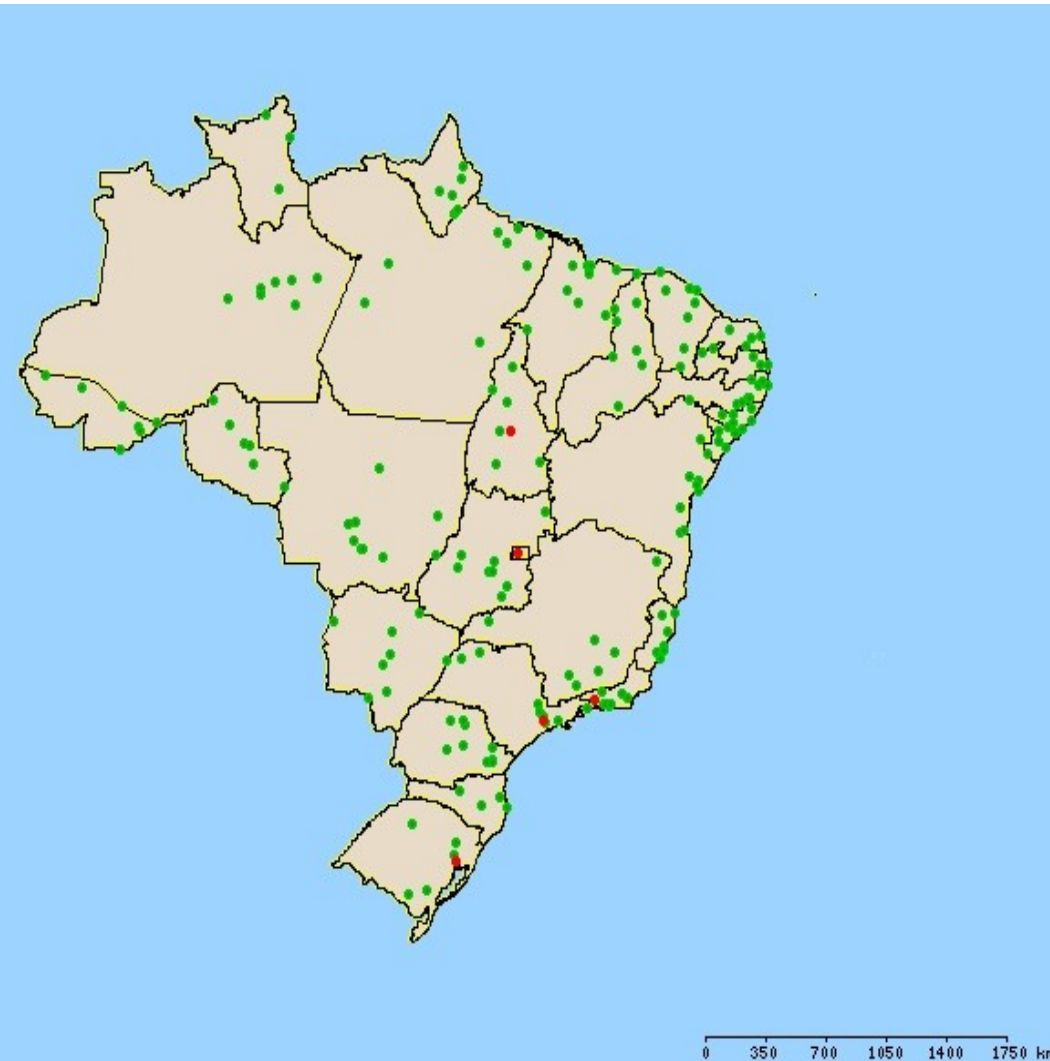
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Porto Alegre

Escola Estadual Luciana de Abreu

UCA Project – Phase II - Pilot



General information on the Pilot

- 27 States – 10 schools per State:
 - 5 State schools
 - 5 Municipals schools
 - urbans and rural
 - 5 Total UCA municipalities

- Laptops 150.000
- 500 by school – for all teachers and students
- 1 Mbps broadband (at least)
- 2 servers

- **Federal Government** equipment, internet access, training and assessment
- **Governments state and municipality** Partnerships, the school infrastructure (electrical and logic) - educational project for use in school

Brazil

UCA Project : Development

- **2008**
 - Documentation of the experiments (financing Inter-American Development Bank - BID)
 - Team dedicated to Project UCA in MEC
 - Coordinate, supervise, develop, monitor and support the deployment and implementation of the Pilot
 - GT-UCA: advice on scientific UCA
 - Advice pedagogical, collaboration in the definition of guidelines and support the deployment, implementation, monitoring and assessment of the Project

Brazil

UCA Project : Development

- **2008**
 - Structuring of actions:
 - Infrastructure: physics, logic and communication
 - Training teachers
 - Training of the entire educational network involved with the UCA: . researchers from universities; teachers and administrators of schools; students who act as monitors; technical staff
 - Evaluation of the Pilot
 - Assessment of schools of UCA Pilot on the use of educational laptops - impacts, innovative situations and the results they generate
 - Research
 - Identification and analysis of innovative teaching practices with the educational laptop connected
 - Construction of reference of the curriculum change required to education
- Edict of purchase of laptops (new – Bid/Tender law in Brazil)

Brazil

UCA Project

Thank you

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- Special Advisory Board to President of Republic

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